

20030609.qrp v02_n946.qrl.20030609

Date: Mon, 9 Jun 2003 19:03:10 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2946

QRP-L Digest 2946

Topics covered in this issue include:

- 1) [152088] OT: Anyone Using Hamscope With XP ?
by "Michael Melland" <w9wis@charter.net>
- 2) [152089] Re: No FOX N0IT at 2300Z
by Michael Taddeo <mike.taddeo@shaw.ca>
- 3) [152090] FOX N3BJ running 599
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 4) [152091] Re: FYI my 6M setup
by Brian Short <bshort4@cox.net>
- 5) [152092] W000 H0000! Got both of 'em
by "Jim Sheldon" <w0eb@cox.net>
- 6) [152093] Re: Air Core 4 to 1 Balun (ie Heathkit B-1) question.
by "Charles W3KC" <w3kc@starpower.net>
- 7) [152094] Re: QRP On 6 Meters
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
- 8) [152095] Re: No FOX N0IT at 2300Z
by "George, W5YR" <w5yr@att.net>
- 9) [152096] Re: More on common-mode hum in DC receivers
by David Hinerman <WD8CIV@worldnet.att.net>
- 10) [152097] Re: Air Core 4 to 1 Balun (ie Heathkit B-1) question.
by "George, W5YR" <w5yr@att.net>
- 11) [152098] FS project boxes/cases
by "Rod N0RC" <rod@n0rc.us>
- 12) [152099] Re: OT: Anyone Using Hamscope With XP ?
by David Hinerman <WD8CIV@worldnet.att.net>
- 13) [152100] Re: OT: Anyone Using Hamscope With XP ?
by "Tom Azlin, N4ZPT" <tom@n4zpt.org>
- 14) [152101] Re: Air Core 4 to 1 Balun (ie Heathkit B-1) question.
by "Charles W3KC" <w3kc@starpower.net>
- 15) [152102] Good grief question
by Pete Burbank <plburbank@earthlink.net>
- 16) [152103] Fox Report
by "Alan Fryer" <N3BJ@hotmail.com>
- 17) [152104] Re: QRP On 6 Meters
by Tim Groat <tcgroat@earthlink.net>
- 18) [152105] Fox: N0IT Preliminary Log (Murphy Sop Story)
by "Dave Sjolín" <sjolin@swbell.net>
- 19) [152106] FS keys and AADE IIB

- by "Walter AG5P" <walter@accessus.net>
- 20) [152107] Re: Telephone Area Code Contest (TAC) 2003
by "Ron Polityka" <wb3aal@fast.net>
- 21) [152108] RE: Polyvaricon
by "Jim Sheldon" <w0eb@cox.net>
- 22) [152109] Re: Good grief question
by "john gabbard" <johngabbard@usintouch.com>
- 23) [152110] Re: Good grief question
by "Michael Melland" <w9wis@charter.net>
- 24) [152111] Re: Compete "1 on 1" on the new 60 m band
by Bill ROWLETT <kc4atu@yahoo.com>
- 25) [152112] One FOX afternoon
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 26) [152113] Re: FS keys and AADE IIB
by "Walter AG5P" <walter@accessus.net>
- 27) [152114] Re: Crystal Radio (was: Nice site)
by Steve.Lawrence@ITWFEG.COM
- 28) [152115] Re: N0IT Preliminary Log (Murphy Sop Story)
by "George, W5YR" <w5yr@att.net>
- 29) [152116] Re: Good grief question
by "john gabbard" <johngabbard@usintouch.com>
- 30) [152117] Re: Hum in DC receiver?
by Caitlyn Martin <ku4qd@earthlink.net>
- 31) [152118] Telephone Area Code Contest (TAC) 2003
by Jim Larsen <JimLarsen2002@alaska.net>
- 32) [152119] FS: QRP rigs - remaining
by "dan wanchic" <wa8vzq@cloudnet.com>
- 33) [152120] FOX - absolutely nuthin'
by Al Scanandoah <k2zn@rochester.rr.com>
- 34) [152121] [OT] More Alt+XXXX Char's Info
by Chuck Carpenter <w5usj@9plus.net>
- 35) [152122] Crystal Sockets
by "Royce Simmons" <w2rbn@prodigy.net>
- 36) [152123] KITS: The DSW-II series
by "Dave Benson" <nn1g@earthlink.net>
- 37) [152124] Re: Baluns
by Alex <kr1st@amsat.org>
- 38) [152125] Comet HF Mobil Ant's
by Chuck Carpenter <w5usj@9plus.net>
- 39) [152126] DSW-II-20 is available!
by Randy Moore <wrmoore47@comcast.net>
- 40) [152127] Having fun with scope, 'tenna and tuner.
by Alex <kr1st@amsat.org>
- 41) [152128] Re: FOX - absolutely nuthin'
by Dave Hottell <hottell@gulftel.com>
- 42) [152129] Re: Crystal Sockets
by "Dennis Ponsness" <wb0wao@hotmail.com>
- 43) [152130] Re: Crystal Sockets

by "w8diz" <w8diz@fpqrp.com>
44) [152131] Re: Crystal Sockets
by "Leon Heller" <leon_heller@hotmail.com>
45) [152132] Re: Crystal Sockets
by "Mike Yetsko" <myetsko@insydesw.com>
46) [152133] Re: FS: Varactor Deal
by "Noyce, Bill" <william.noyce@hp.com>
47) [152134] Re: Air Core 4 to 1 Balun (ie Heathkit B-1) question.
by "cal.jsi" <cal.jsi@verizon.net>
48) [152135] RE: Crystal Sockets
by "David Hinerman" <WD8CIV@worldnet.att.net>
49) [152136] Re: Air Core 4 to 1 Balun (ie Heathkit B-1) question.
by "George, W5YR" <w5yr@att.net>
50) [152137] Re: Air Core 4 to 1 Balun (ie Heathkit B-1) question.
by "Walter AG5P" <walter@accessus.net>
51) [152138] Fox Log - N3BJ - Prelim.
by "Alan Fryer" <N3BJ@hotmail.com>
52) [152139] SMK-1 crystal
by "Noyce, Bill" <william.noyce@hp.com>
53) [152140] Re: FOX - absolutely nuthin'
by Wayne_W5KDJ <w5kdj@juno.com>
54) [152141] FS - K2 QRP
by "Dave" <ai7r@presenceknown.com>
55) [152142] 1 watt Rule of Thumb?
by ARDUJENSKI@aol.com
56) [152143] NorCal Keyer Manual Error Fixed & available for all to see.
by "Doug Hendricks" <ki6ds@dph.dpol.net>
57) [152144] Re: FOX - absolutely nuthin'
by "Bob Schreibmaier" <k3ph@ptd.net>
58) [152145] Iowa QRP Club Forums This Saturday June 14, 2003
by "John Burnley" <JBurnley@ifmc.org>
59) [152146] Re: New Hall of Fame Inductees
by <G0BPS@clara.co.uk>
60) [152147] K2 Knob
by "Leigh Hawkes" <leighhawkes@ns.sympatico.ca>

Date: Sun, 8 Jun 2003 18:03:51 -0500
From: "Michael Melland" <w9wis@charter.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
<njqrp@njqrp.org>, <fpqrp-l@fpqrp.com>
Subject: [152088] OT: Anyone Using Hamscope With XP ?
Message-ID: <006601c32e12\$3de654a0\$0200a8c0@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have been using Hamscope for digital monitoring and was wondering if anyone has used it with Windows XP ? Any set-up issues.... have to run it in compatability mode ?

Mike

--

Michael Melland, W9WIS
Winneconne, Wisconsin USA EN54pc
qrp-l #1656 - qrp-1 # 9875 - iparc #252
ars #1075 - <http://webpages.charter.net/w9wis/>

Date: Sun, 08 Jun 2003 17:05:35 -0600
From: Michael Taddeo <mike.taddeo@shaw.ca>
To: dock0evz@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [152089] Re: No FOX N0IT at 2300Z
Message-ID: <3EE3C13F.7CD6EF50@shaw.ca>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

found him simplex on 14.058.700 very strong here now... 10 minutes ago heard not a peep.

Doc K0EVZ wrote:

> Gang:
>
> Not hearing Der FOXxe N0IT at 2300Z, but maybe he will suddenly jump up in
> the last 30 minutes. Not even hearing the hunters now, so perhaps he has
> QSYed a bit.
>
> 73,
> --Doc/K0EVZ

--

Michael Taddeo
mike.taddeo@shaw.ca
ICQ# 221086
VA6MJT
[HTTP://www.apothecarytech.ca/va6mjt](http://www.apothecarytech.ca/va6mjt)

Date: Sun, 8 Jun 2003 18:12:12 -0500
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>,
"Elecraft " <elecraft@mailman.qth.net>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [152090] FOX N3BJ running 599
Message-ID: <412003608231212858@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Alan N3BJ the FOX is on 14.058.7 and a very loud 599. Still no sign of Dave N0IT yet. Fingers crossed.

73,
--Doc/K0EVZ

Date: Sun, 8 Jun 2003 18:12:53 -0400
From: Brian Short <bshort4@cox.net>
To: Low Discussion <qrp-l@Lehigh.EDU>
Subject: [152091] Re: FYI my 6M setup
Message-ID: <59909E32-99FE-11D7-BFE7-00306543B616@cox.net>
Content-Type: text/plain; charset=US-ASCII; format=flowed
Mime-Version: 1.0 (Apple Message framework v552)
Content-Transfer-Encoding: 7bit

Caity,

On Sunday, June 8, 2003, at 05:54 PM, Caitlyn Martin wrote:
> Add me to the list of those with a 10W station that makes lots of
> contacts. Currently I use a Mizuho MX-606D, 10W out, and a 3 element
> beam. Works great!

Believe it or not...

Some years ago (1993), I used 10w out of a Yaesu FT-736 to a Create Log Periodic (50-1200MHz) and won 1st Place in Arizona in the VHF QSO Party (I guess nobody else sent in a log or something). There were about 100 6m contacts as I recall.

The Create Log Periodic has a 6' boom and low gain down as far 6m. It was a bit better than a dipole, perhaps, but not by all that much.

One year for Field Day, I set up my FT-736 for a club's VHF points and worked double-hop across the country with 10w, but I was using a yagi antenna that time.

Sporadic E (short skip) signals tend to be very strong.

You can do a LOT with 10w on 6m!

(The VHF QSO Party is this weekend coming up. Field Day is at the end of the month.)

Brian

--

See my web page: <http://www.k7on.com>

Date: Sun, 8 Jun 2003 18:14:09 -0500
From: "Jim Sheldon" <w0eb@cox.net>
To: <qrp-l@Lehigh.EDU>
Subject: [152092] W000 H0000! Got both of 'em
Message-ID: <IBEGLCMLCDHHEFLBPHBOGEDECMMAA.w0eb@cox.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Found and worked both Foxii. N3BJ, Alan was real solid, no QSB and all of a sudden, N0IT, Dave came up out of the noise long enough to get him as well. Being in Wichita, KS, I figured I'd have a whale of a time finding Dave, but the band cooperated for a change. Last week, didn't hear either of the foxes and only a few very faint hounds. This week, didn't hear any hounds, but the foxii were LOUD!

Jim, W0EB

Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.488 / Virus Database: 287 - Release Date: 6/5/2003

Date: Sun, 8 Jun 2003 19:27:10 -0400

From: "Charles W3KC" <w3kc@starpower.net>

To: <ve3ab@mail.mondenet.com>,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [152093] Re: Air Core 4 to 1 Balun (ie Heathkit B-1) question.

Message-ID: <003e01c32e15\$7ce9e4c0\$c5052c42@w3kc>

As I remember, the B-1 was designed to match 75 ohms to 300 ohms (typically a folded dipole) but should function reasonably well matching 50 ohms to 200 ohms. It think it can also be wired to function as a one to one balun.

73 de Chas W3KC

----- Original Message -----

From: <ve3ab@mail.mondenet.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Sent: Sunday, June 08, 2003 5:36 AM

Subject: Air Core 4 to 1 Balun (ie Heathkit B-1) question.

> Just cleaning up my garage and Ive come across the B-1 air balun I
> bought at a flea market. It consists of two air wound coils each
> mounted beside each other ..(2.5 in. approx dia) and separated by a
> couple of inches. Wired as a 4 to 1 balun.
> Has anyone had any sucess with this type of balun? Is it a good
> design? I have a Johnsons Matchbox for my primary antenna (end fed
> w8jk)..but I could use it for a second antenna I might put up..ie
> ..thinking of putting up a 60 meter dipole.
> If it is a good design..I might copy it..(scale it down)..and use it
> for a 6 mtr antenna.
> Ive seen this type of air balun as a project in older ARRL
> handbooks(1960s) ect..but havent heard/seen much of it later.
> 73 Earl VE3AB

Date: Sun, 8 Jun 2003 18:23:02 -0400 (EDT)

From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>

To: Caitlyn Martin <ku4qd@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [152094] Re: QRP On 6 Meters
Message-ID: <Pine.LNX.4.44.0306081822080.25510-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Actually, you're right, many cannot, but many can - especially the guys running pileups.

At least, that was the case up until four years ago. I wonder how much the landscape has changed...

On Sun, 8 Jun 2003, Caitlyn Martin wrote:

> On Sat, 7 Jun 2003 23:39:56 -0400 (EDT)
> "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu> wrote:
>
> > You can do a lot with 6m QRP, even SSB. CW is more effective,
> > however, if you're looking at marginal conditions OR trying to crack a
> > pileup where everyone else is working SSB.
>
> Assuming the other op can copy CW. The majority on 6m CANNOT. That
> includes some Extra class operators, BTW.
>
> 72,
> Caity
> KU4QD
>

--

Scott Rosenfeld ARS N7JI
541-684-9970 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Sun, 8 Jun 2003 18:29:21 -0500
From: "George, W5YR" <w5yr@att.net>
To: <dock0evz@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [152095] Re: No FOX NOIT at 2300Z
Message-ID: <019701c32e15\$ce392bb0\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Heard you, Doc, with the usual good signal. Wonder if the Yellow Rose aroma got that far North?

Our NE-TX Tornados team was short-handed today with two members out of town. However, our three stalwarts managed Clean Sweeps with both Foxii, so we are proud of the pelts we did get.

QSB was considerable at times, but around 2230 or so signals were really good. Speaker volume and quality. Alan was always a little louder than Dave, but both were finding Hounds. Such good ops!

73/72, George

Amateur Radio W5YR - the Yellow Rose of Texas

Fairview, TX 30 mi NE of Dallas in Collin county EM13QE

"In the 57th year and it just keeps getting better!"

<mailto:w5yr@att.net>

----- Original Message -----

From: "Doc K0EVZ" <dock0evz@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, June 08, 2003 5:55 PM

Subject: No FOX N0IT at 2300Z

> Gang:

>

> Not hearing Der FOXxe N0IT at 2300Z, but maybe he will suddenly jump up in
> the last 30 minutes. Not even hearing the hunters now, so perhaps he has
> QSYed a bit.

>

> 73,

> --Doc/K0EVZ

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Date: Sun, 08 Jun 2003 19:40:02 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [152096] Re: More on common-mode hum in DC receivers
Message-ID: <5.1.1.6.1.20030608191733.00b21c60@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 11:21 AM 6/8/2003 -0700, you wrote:

>The late Doug DeMaw had hum reduction as part of a
>power supply featured in his "W1FB's QRP Notebook," ARRL
>1991, pg. 154

Folks,

Isn't the "active decoupling" in KK7B's direct conversion receivers (R1, R2, Binaural, etc.) supposed to reduce hum also?

Dave

Dave Hinerman
WD8CIV@att.net

Date: Sun, 8 Jun 2003 19:15:42 -0500
From: "George, W5YR" <w5yr@att.net>
To: <w3kc@starpower.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [152097] Re: Air Core 4 to 1 Balun (ie Heathkit B-1) question.
Message-ID: <01cb01c32e1c\$47f64630\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Not to quibble with Charles, but while the balun may in fact "work" in a 50/200 ohm situation, recall that baluns are transmission line transformers and the "windings" used have specific Zo values, in this case 75 ohms.

The inputs of the two lines that make up the balun are connected in parallel and the outputs in series to provide 4:1 operation. The performance in a 50-ohm environment may or may not be "close enough" for the balun to be

useful, but it will not be operating under its design conditions. A standing wave will exist within the balun itself with possible undesirable effects. I would expect these to be small, however, if detectable at all.

Baluns are quite unlike conventional r-f transformers in which concepts like "turns ratio" and the like apply equally well as in low-frequency situations. However, "turns ratio" has no meaning in a balun. The critical factor is the Z_0 of the lines forming the balun. It is designed such that (a) the balun is used in an impedance environment matching the Z_0 of the lines and (b) it is terminated in a resistive load of the proper value. It is also a requirement that the total length of the line be significantly less than $1/4$ wavelength at the operating frequency. Since the balun does not behave as a transformer, termination in other than 300 ohms, especially with reactance present, will affect the input impedance to the balun such that it will not necessarily be the desired 50 ohms resistive.

I recall using the old Heathkit balun being discussed with a DX 100 back in the 60's sometime. They worked great to feed folded dipoles made from 300 ohm twinlead with 75 ohm coax. Before using one, however, a very close physical inspection is in order since the wire is relatively small and the turns closely spaced. It is possible for some shorted turns to be present which would seriously upset the operation of the balun. The two lines are interwoven, as it were, and a shorted turn is actually a short between the two lines forming the balun.

73/72, George

Amateur Radio W5YR - the Yellow Rose of Texas

Fairview, TX 30 mi NE of Dallas in Collin county EM13QE

"In the 57th year and it just keeps getting better!"

<mailto:w5yr@att.net>

----- Original Message -----

From: "Charles W3KC" <w3kc@starpower.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, June 08, 2003 6:27 PM

Subject: Re: Air Core 4 to 1 Balun (ie Heathkit B-1) question.

> As I remember, the B-1 was designed to match 75 ohms to 300 ohms
(typically a
> folded dipole) but should function reasonably well matching 50 ohms to 200
ohms.

> It think it can also be wired to function as a one to one balun.

> 73 de Chas W3KC

Date: Sun, 8 Jun 2003 18:22:46 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [152098] FS project boxes/cases
Message-ID: <000701c32e1d\$42acb550\$6401a8c0@Sherman>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

One NorCal 20 Un-punched case; one LMB CR 532; and 1 LMB 139. Pictures
and prices at: <http://www.frii.com/~rwc/fs/cases.html>

73 Rod, N0RC

Date: Sun, 08 Jun 2003 20:27:23 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [152099] Re: OT: Anyone Using Hamscope With XP ?
Message-ID: <5.1.1.6.1.20030608202502.00b1e8d8@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 06:03 PM 6/8/2003 -0500, you wrote:
>I have been using Hamscope for digital monitoring and was wondering if
>anyone has used it with Windows XP ? Any set-up issues.... have to run it
>in compatability mode ?

Michael,

It runs here (XP Home) without any trouble. Well, once I got MMTTY anyway.
But PSK31 worked fine even before that.

Dave

Dave Hinerman
WD8CIV@att.net

Date: Sun, 08 Jun 2003 20:30:37 -0400
From: "Tom Azlin, N4ZPT" <tom@n4zpt.org>
To: w9wis@charter.net,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [152100] Re: OT: Anyone Using Hamscope With XP ?
Message-ID: <oprqg41bsp7wnqhq@mail.n4zpt.org>
Content-Type: text/plain; charset=iso-8859-15; format=flowed
MIME-Version: 1.0

Hi Mike.

Seems to run fine on my Win XP Pro system with nothing special selected.
Both version 1.4 and 1.51.

73, Tom n4zpt

On Sun, 8 Jun 2003 18:03:51 -0500, Michael Melland <w9wis@charter.net>
wrote:

> I have been using Hamscope for digital monitoring and was wondering if
> anyone has used it with Windows XP ? Any set-up issues.... have to run
> it
> in compatability mode ?
>

--

Tom Azlin, N4ZPT

Date: Sun, 8 Jun 2003 20:40:12 -0400
From: "Charles W3KC" <w3kc@starpower.net>
To: "George, W5YR" <w5yr@att.net>, <qrp-1@lehigh.edu>
Subject: [152101] Re: Air Core 4 to 1 Balun (ie Heathkit B-1) question.
Message-ID: <000b01c32e1f\$c7f9b300\$ed0a2c42@w3kc>

George, W5YR, makes some very good points re baluns as transmission line
transformers and the Zo of the windings. The books by Jerry Sevick provide a lot
of useful info on that subject.

73 de Chas W3KC

Subject: Re: Air Core 4 to 1 Balun (ie Heathkit B-1) question.

> recall that baluns are transmission line transformers
> and the "windings" used have specific Zo values ...

Date: Sun, 08 Jun 2003 20:41:55 -0400
From: Pete Burbank <plburbank@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [152102] Good grief question
Message-ID: <5.2.0.9.0.20030608203519.00a51ba0@Earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Is there someone in this world who dictates changing what works?
Maybe the same person who changed CPS to Hz.
nuf said Pete NV4V

At 01:06 PM 6/8/2003, bob baxter wrote:

> > in Arlo and Janis
> >
> > is SOS still the universal distress signal?
> >
> > ir has it been changed to XXX
>
>When I was a USAAF radio op, in the middle of the last century, XXX was
>recognized as a universal distress signal.
>
>Bob Baxter AA7EQ
>Bisbee, Az.

Date: Sun, 8 Jun 2003 20:52:24 -0400
From: "Alan Fryer" <N3BJ@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [152103] Fox Report
Message-ID: <Law9-0E48feJ2VdsVL600002231@hotmail.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Whew, those were some tough conditions ! Worked about 35 hounds - congrats to those that made the trip, your antennas are working FB.

Log tomorrow.

Best 72/73,

Alan, N3BJ
Bent Mountain, VA

Date: Sun, 08 Jun 2003 19:42:52 -0600
From: Tim Groat <tcgroat@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [152104] Re: QRP On 6 Meters
Message-ID: <5.1.1.6.2.20030608192948.00a2a040@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Quite true, and those that do copy code often aren't as fast as the typical member of this list. The VHF contest this coming weekend will see lots of activity, but when you use CW keep the keyer set for low speed unless you KNOW the other operator is capable.

Another point: it's common for stations to call CQ on 50.125, and announce another frequency where they'll be operating. This avoids congesting the calling frequency. The important thing is, many operators won't stay on 50.125 to take calls--listen for a QSY frequency, and go there to get the QS0.

72,
--Tim (KR0U)

>Caitlyn Martin <ku4qd@earthlink.net>:
>
>Assuming the other op can copy CW. The majority on 6m CANNOT. That
>includes some Extra class operators, BTW.
>
>72,
>Caity
>KU4QD

Date: Sun, 8 Jun 2003 20:45:03 -0500
From: "Dave Sjolín" <sjolin@swbell.net>
To: "Qrp-1 Reflector" <qrp-1@Lehigh.EDU>
Subject: [152105] Fox: N0IT Preliminary Log (Murphy Sop Story)
Message-ID: <0b5201c32e28\$bfbbeec0\$78d1fea9@DaveSjolin>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, what can I say. Murphy got me big time. I hope I got everyone that could have heard me. My antenna system was giving me fits. Sorry.

I sat down at rig and shortly after I started sending CQ the SWR on my antenna shot up to 3:1. Send a few characters, everything seems okay. Send a few more SWR goes bonkers. Check all the connectors behind the operating desk and try again. Now its 3:1 all the time. Use the tuner to get swr down 1:1. Make a few q's and then swr is high again, so turn off tuner. When I ran into situations where no one was answering the CQ's and I switched over to my HF-2V 80/40 meter vertical and used my tuner on it and made a sling of contacts including K5JHP/M. So net-net, many of you who worked me through the "there is, where did he go, QSB" may have been working me on the equivalent of qrp into a dummy load. Well almost.

AND WOULDNT YOU KNOW IT? AS SOON AS THE HUNT WAS OVER THE SWR PROBLEM DISAPPEARED.

I count 39 QSO's including one dupe. Combined with N3BJ and myself as foxii, I count 41. Everyone please check the log and see if I need to make any corrections. I was using paper log and was a bit rattled by the antenna situation so I am bound to have made a mistake or two when I copied the handwritten scratches over to this log. I dont think I left anyone out. I wrote down everyone that I had a partial with and all of them eventually completed good qso's. See you all in a couple weeks. This time I hope the antenna is back to its normal self.

73 and thanks for the contacts.

de Dave, N0IT

UTC
CALL
RST
STATE
NAME

POWER

2208
K1HJ
559
MA
STEVE
1W

2209
K4MF
559
FL
GARY
5W

2212
N1IX
559
NH
DAVE
5W

2214
NK6A
339
CA
DON
1W

2215
N7MFB
559
WA
BILL
5W

2216
W5KDJ
559
TX
WAYNE
400mW

2217
K7FP
559
OR

JOHN
5W

2218
AC7A
559
AZ
TOM
4W

2220
W5YR
559
TX
GEORGE
5W

2221
KG4FSN
559
FL
JUAN
5W

2222
KK5NA
559
TX
JOE
5W

2223
KX1E
549
ME
BOB
5W

2224
K5SR
559
TX
DALE
5W

2225
NK6A
559

CA
DON
5W

2225
K5E0A
559
LA
WAYNE
5W

2227
AA50
559
LA
VERN
5W

2228
KK6MC
559
NM
JIM
5W

2230
W7ILW
559
AZ
WALT
5W

2231
N5YFC
559
LA
WAYNE
5W

2232
AA7EQ
559
AZ
BOB
5W

2235
N1ST

559
CT
SCOTT
3W

2237
N5IB
559
LA
JIM
5W

2245
C02HA
539
CUBA
FRANK
5W

2245
W3CD
559
CA
BOB
5W

2251
VA6MJT
579
AB
MIKE
5W

2252
K7TQ
559
ID
RANDY
5W

2253
K3IU
559
RI
KEN
5W

2256

K5JHP/M
559
TX
BILL
5W

2259
W4NJK
559
CA
CHARLIE
5W

2300
AF4PS
559
FL
MAC
5W

2304
N1FN
559
CO
ET
5W

2306
AA10F
579
NH
JERRY
2W

2308
W0EB
559
KS
JIM
5W

2310
K5DKH
559
AR
WILL
5W

2313
AA0NI
559
OK
DAN
5W

2318
N2WW
559
CO
LARRY
5W

2319
W5USJ
559
TX
CHUCK
5W

2322
KD5KXF
559
TX
MIKE
5W

2324
KB7WW
559
OR
ART
5W

2330
N3BJ

FOX

2330
N0IT

FOX

Date: Sun, 8 Jun 2003 20:48:10 -0500
From: "Walter AG5P" <walter@accessus.net>
To: <qrp-l@lehigh.edu>
Subject: [152106] FS keys and AAE IIB
Message-ID: <000e01c32e29\$39fe2680\$a1476ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

Have for sale some items that are in good condition
and needs a new home. ((All prices include shipping
in Conus.))

1. Bencher Iambic paddles, black base, chrome workings
and clear plex finger pieces, shipped to you...\$65.00.
2. Bencher Straight key, black base, chrome workings,
Navy type knob (ball knob and flat disk at the base
of the knob, shipped to you...\$55.00.
3. Original, unbuilt and still in the plastic bag,
New Jersey Fireball 40 transmitter. This is the
10 meter version on 28.322MHz. Output is 45 milliwatts.
This is a true qrp transmitter, manual included,
shipped to you...\$10.00.
4. An AAE L/C Meter IIB, this is the famous
inductance and capacitance meter, has a couple small
nearly not noticable scratches, works great, with
instructions and the test leads, shipped to you...\$55.00.

Please email me off list if interested, thanks.

72 / 73...Walter Dufrain - AG5P.....Wright City, MO
walter@accessus.net

Date: Sun, 8 Jun 2003 21:56:40 -0400
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@lehigh.edu>
Subject: [152107] Re: Telephone Area Code Contest (TAC) 2003
Message-ID: <001201c32e2a\$5fa13390\$d6f15cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

I would like to thank all those QRP'ers that operated in the 2003 TAC Contest. If you only made a few contacts, please send in your log. You never know, you might win something. Check out www.n3epa.org/ for log submission information. You could just send the log and let the scoring to me to figure out. I go over every log to check for proper scoring.

Deadline for submissions is 12 July 2003.
Winners announced on 31 July 2003.

72 & Good DX
Ron de N3EPA
El Presidente'
n3epa@fast.net
www.n3epa.org

Date: Sun, 8 Jun 2003 21:02:18 -0500
From: "Jim Sheldon" <w0eb@cox.net>
To: "QRP-L Mailing List" <qrp-l@Lehigh.EDU>
Subject: [152108] RE: Polyvaricon
Message-ID: <IBEGLCMLCDHHEFLBPHBOGEDFCMAA.w0eb@cox.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Someone on this list (or maybe another list - I'm having senior moments these days -) wanted to buy some polyvaricon capacitors. I don't have any,

but found some for sale at Ocean State Electronics. (www.oselectronics.com)
I have no connection with them and no pecuniary interest in them.
Capacitors were advertised as part number BC-540 at 2.95 each. They do have
a ten buck minimum order before shipping. Hope this helps the person that
requested the info. From the picture in their catalog, these appear to be
identical to the ones NORCAL ships in their BLT tuner kit.

Jim - W0EB

Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.488 / Virus Database: 287 - Release Date: 6/5/2003

Date: Sun, 8 Jun 2003 19:26:10 -0700
From: "john gabbard" <johngabbard@usintouch.com>
To: <plburbank@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [152109] Re: Good grief question
Message-ID: <007301c32e2e\$7e007b80\$bd861c0c@john>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am inclined to agree and would I be called "slow to change" if I sometimes
slip and refer to frequency in Mcs; Kcs;and Cps? Those, were the Days...the
days of a slower pace and longer CW qso's! I may be rambling but, I have a
happy spot somewhere in my head when I remember, the Days...When nobody
complained about the effort involved in attaining a copy speed of 20 wpm or
better if you wanted it! Yes, I am opinionated. But I am also a believer in
"doing it the old fashion way"! My Best Regards to all, John KF7OM

----- Original Message -----

From: "Pete Burbank" <plburbank@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, June 08, 2003 5:41 PM
Subject: Good grief question

>
> Is there someone in this world who dictates changing what works?
> Maybe the same person who changed CPS to Hz.
> nuf said Pete NV4V
>
>
> At 01:06 PM 6/8/2003, bob baxter wrote:

>
>
>
> > > in Arlo and Janis
> > >
> > > is SOS still the universal distress signal?
> > >
> > > ir has it been changed to XXX
> >
> >When I was a USAAF radio op, in the middle of the last century, XXX was
> >recognized as a universal distress signal.
> >
> >Bob Baxter AA7EQ
> >Bisbee, Az.
>
>
>
>
>

Date: Sun, 8 Jun 2003 21:31:27 -0500
From: "Michael Melland" <w9wis@charter.net>
To: <plburbank@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [152110] Re: Good grief question
Message-ID: <005c01c32e2f\$3ab09ee0\$0200a8c0@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> >When I was a USAAF radio op, in the middle of the last century, XXX was
> >recognized as a universal distress signal.

In the slightly more modern USAF there were 3 morse signals that had voice counterparts. These sigs were also used by the Navy and commercial shipping.

SOS = "Mayday" - Send help NOW.... URGENT EMERGENCY HERE... life threatening
XXX = "PAN" - URGENT WARNING ...threat to craft or occupant like drifting, no power, illness, damaged, ice berg, etc.
TTT = "Security" - Threat warning... like ice, fog etc. that could be dangerous

Sigs sent in threes.... like XXX XXX XXX or SOS SOS SOS ... Pan Pan Pan or Mayday Mayday Mayday on voice...

Then of course there is the ever popular " Sky King Sky King All Stations All Stations do not respond, message follows".... <grin>

Mike, W9WIS

Date: Sun, 8 Jun 2003 19:41:44 -0700 (PDT)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: stanw@toxsor.com,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [152111] Re: Compete "1 on 1" on the new 60 m band
Message-ID: <20030609024144.86659.qmail@web14202.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

The thing you must remember is that the new 60 meter band was not given to us for normal "Ham" communications. It was formed for a second choice for emergency net operations when things get rough on 40 meters. The reason for the five channels. Here of the east coast, each channel could be used by a different state during a major weather event.

It can be used as a regular band, just stay within the guidelines for its use.

I know that I will not be using it and I doubt that many will because of the limitations on it.

Bill kc4atu

Do you Yahoo!?
Yahoo! Calendar - Free online calendar with sync to Outlook(TM).
<http://calendar.yahoo.com>

Date: Sun, 8 Jun 2003 21:43:10 -0500
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>,

"Elecraft " <elecraft@mailman.qth.net>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [152112] One FOX afternoon
Message-ID: <41200361924310889@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Well this was one of those one-FOX days. Worked Alan N3BJ early, but barely heard Dave N0IT for the first 25 minutes or so. Even the pileup had pretty well faded by 2300Z, though I heard a few hunters in the last 10 minutes. Oh well, there is always next Sunday. Here's hoping lots of us got some FOX fur this afternoon.

73,
--Doc/K0EVZ

Date: Sun, 8 Jun 2003 22:07:56 -0500
From: "Walter AG5P" <walter@accessus.net>
To: <qrp-l@lehigh.edu>
Subject: [152113] Re: FS keys and AADE IIB
Message-ID: <003201c32e34\$53eca2a0\$a1476ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The AADE IIB and the 10 meter Fireball transmitter
have been sold. Thanks for your interest.
72/73...Walter Dufrain - AG5P

Date: Sun, 8 Jun 2003 23:10:48 -0400
From: Steve.Lawrence@ITWFEG.COM
To: kr1st@amsat.org

Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [152114] Re: Crystal Radio (was: Nice site)
Message-ID: <OFC669B8D2.54972B02-0N85256D3F.00626237-85256D40.001177AF@itwfeg.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Alex,
Some awesome crystal radio references:

<http://www.crystalradio.net/>
<http://www.midnightscience.com/>

GL,
Steve
aa8af

Alex <kr1st@amsat.org>
Sent by: owner-qrp-1@Lehigh.EDU
06/04/2003 03:32 PM
Please respond to kr1st

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
cc:
Subject: Nice site

Saw this link posted on a newsgroup:

<http://antiqueradio.org/econmain.htm>

It contains good instructions with pictures for a nice crystal shortwave receiver (1.7 - 17 MHz). A quote:

"There's plenty of SW activity in these bands, so you'll hear lots of different voices, a mix of languages, and even music. In addition to powerhouse stations such as the BBC, you'll also hear non-commercial amateurs, some of whom broadcast using the dits and dahs of International Morse Code."

Would anyone perhaps know of plans and instructions for a crystal shortwave receiver that would fit in an Altoids tin? I have a lifetime supply of these things that beg to be filled.

73,

--Alex KR1ST

Date: Sun, 8 Jun 2003 22:18:04 -0500
From: "George, W5YR" <w5yr@att.net>
To: <sjolin@swbell.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [152115] Re: N0IT Preliminary Log (Murphy Sop Story)
Message-ID: <002b01c32e35\$be6dff10\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

We have a Pesky Texan saying, Dave: "Ya done good, son!" It fits here . . .

I experienced part of the early antenna problems. I finally found you and managed to attract your attention and get your exchange. I sent mine and in response: nothing. Totally in the noise. So, I called you and re-sent my stuff blind and by then you had come back up and gave me an OK. By the end of the show, I was copying you on the speaker across the shack while at the workbench! You were hitting S7-8 on the PR02 meter.

An event on 20 meters late in the afternoon in the Summer is interesting to say the least!

Thanks for taking time to give me that pelt, Dave.

"Ya done good, son!"

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"
<mailto:w5yr@att.net>

----- Original Message -----

From: "Dave Sjolin" <sjolin@swbell.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, June 08, 2003 8:45 PM
Subject: Fox: N0IT Preliminary Log (Murphy Sop Story)

> Well, what can I say. Murphy got me big time. I hope I got everyone that
> could have heard me. My antenna system was giving me fits. Sorry.

Date: Sun, 8 Jun 2003 20:35:17 -0700
From: "john gabbard" <johngabbard@usintouch.com>
To: <w9wis@charter.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [152116] Re: Good grief question
Message-ID: <000901c32e38\$25e75630\$bd861c0c@john>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

That must be where the series of "3" originated. In the Naval shipboard service of which I was a part, and being on a small class ship, I was often asked (or told!) to assist in the smooth operation of the signal bridge considering the fact that I knew the morse code. The two rates were similar, in that we used similar types of signals called Brevity signals and these were used after contact was established. They consisted of single and double or triple letter combinations and just a few letters would comprise an entire message. We had an entire book probably 3 to 4 " thick on those types of sigs that included most anything to be done. Some of those were sent in series of "3"....and so on.

----- Original Message -----

From: "Michael Melland" <w9wis@charter.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, June 08, 2003 7:31 PM
Subject: Re: Good grief question

> > >When I was a USAAF radio op, in the middle of the last century, XXX was
> > >recognized as a universal distress signal.

>

> In the slightly more modern USAF there were 3 morse signals that had voice
> counterparts. These sigs were also used by the Navy and commercial
> shipping.

>

> SOS = "Mayday" - Send help NOW.... URGENT EMERGENCY HERE... life
> threatening
> XXX = "PAN" - URGENT WARNING ...threat to craft or occupant like drifting,
> no power, illness, damaged, ice berg, etc.
> TTT = "Security" - Threat warning... like ice, fog etc. that could be

> dangerous
>
> Sigs sent in threes.... like XXX XXX XXX or SOS SOS SOS ... Pan Pan Pan or
> Mayday Mayday Mayday on voice...
>
> Then of course there is the ever popular " Sky King Sky King All Stations
> All Stations do not respond, message follows".... <grin>
>
> Mike, W9WIS
>
>
>
>

Date: Mon, 9 Jun 2003 00:00:40 -0400
From: Caitlyn Martin <ku4qd@earthlink.net>
To: QRP-L@lehigh.edu
Subject: [152117] Re: Hum in DC receiver?
Message-ID: <20030609000040.6930bd98.ku4qd@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Hi, everyone,

Interesting thread. My Mizuho DC-7D hums like crazy on external DC power. So far operating on a battery (it takes one 9V battery internally) has always cured the problem. Interestingly enough, the later model, the DC-7X, does not hum, even on external DC power. I'll have to look to see what Mizuho's solution was, and how it compares to the Heathkit HW-8.

I haven't been using the DC series 40m CW rigs since I picked up a Mizuho P-7DX which is way smaller and has a really decent superhet receiver. I really haven't been on the air much at all the last few weeks. I'll have to make some time to get on 40 CW this week and play with the old direct conversion rigs again :)

72,
Caity
KU4QD

Date: Sun, 08 Jun 2003 20:25:20 -0800
From: Jim Larsen <JimLarsen2002@alaska.net>
To: wb3aal@fast.net, "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>
Subject: [152118] Telephone Area Code Contest (TAC) 2003
Message-ID: <3EE40C30.3000308@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Hi Ron,

During the hours of the TAC contest there were zero signals into Anchorage, Alaska each time I checked. This makes for a very low Q rate. I could triple my rate and it still would not be very impressive. As far as I know three times zero is still zero. Oh, well. Some day we will again have a contest that works for Alaska. For now, about the only serious openings of any kind occur from about 0130Z-0300Z...maybe a bit longer and that is about it.

Take care.

73, Jim

--

Jim Larsen, AL7FS
Anchorage, Alaska
<http://www.qsl.net/al7fs>

----- Original Message -----

If you only made a few contacts, please send in your log.
Deadline for submissions is 12 July 2003.

Date: Mon, 9 Jun 2003 16:30:57 -0500
From: "dan wanchic" <wa8vzq@cloudnet.com>
To: <qrp-1@Lehigh.EDU>
Subject: [152119] FS: QRP rigs - remaining
Message-ID: <003401c32ecf\$3ea7d400\$876dbcd1@newuser>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

These rigs still available.....

SWL QRP rigs -

all with front panel 1/4 inch key & headphone jacks
all GM series with rear panel RCA key & headphone jacks
all GM series built in computer switch boxes
all GM series have RIT
all with 5.5mm/2.1mm coaxial power connectors
all with 10 turn pots and mechanical digital dials
all with manual and built by me

I prefer to ship priority mail - request \$5.00 from you to split costs.
I will cover difference in shipping.

NE 30-40....

approx 5 1/4 X 5 X 1 1/2 - Radio Shack plastic case
BNC RF connector....works fine....\$75.00

Green Mountain 15....

approximately 6 X 5 X 2, painted beige.....
Mods - tunes approx 21.000 to 21.150, internal IF gain adjust pot
Bournes CT-26 series digital dial
BNC RF connector....
The RX has some spurs although it meets all spec's.
thus reduced price \$100.00

Green Mountain 20....

approximately 7 X 4 1/4 X 2, painted red and black....
with very nice 1 1/2 inch dia dial
Mods - internal IF gain adjust pot
SO-239 RF connector.....
No problems with this beautiful radio, my favorite of the bunch ...\$115.00

Radio Shack HTX-100 with mic and power cable - plus hb adapter for PSK....
no mobile bracket.....works fine...I seem to remember that
high power is adjusted down to 15 W - \$115.00

JPS NIR-10 DSP unit with manual \$50.00

Radio Shack DSP-40 with manual...no power supply \$40.00

Ramsey AF-1 switched capacitor filter
RS plastic plastic case with manual - \$20.00

Regards

Dan
St. Cloud, MN

-- -- -- -- -- -- -- -- WA8VZQ -- Since 1967 -- -- -- -- -- -- -- --
Federal Aviation Administration -- -- Electronics Technician
ex-Nuclear Emergency Search Team (NEST) 1977 - 1981
-- -- -- NEST Three Mile Island Response Team -- -- --
-- -- ex-HFer @ ACA-15, WAR-46, KAL-24, KZ5VZ -- -- -- --
My clock battery is dead - Ignore the date & time of this note

Date: Mon, 09 Jun 2003 07:51:42 -0400
From: Al Scanandoah <k2zn@rochester.rr.com>
To: qrp-l@lehigh.edu
Subject: [152120] FOX - absolutely nuthin'
Message-ID: <3EE474CE.20F447C9@rochester.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I heard plenty of hounds, but nary a fox. I guess VOACAP was telling
the truth :-(

Al, K2ZN

Date: Mon, 09 Jun 2003 07:19:30 -0500
From: Chuck Carpenter <w5usj@9plus.net>
To: <fpqrp-l@mpna.com>, qrp-l@lehigh.edu, QRPp-I@yahoogroups.com
Subject: [152121] [OT] More Alt+XXXX Char's Info
Message-ID: <3.0.2.32.20030609071930.008c4100@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Folks...

In Win98 at least and I think other versions, you can find the extra
characters in a table found in Accessories.

The menu select chain is:

Start > Programs > Accessories > System Tools > Character Map

Select Character Map and you should see a table/matrix of all the extra
characters available. On the one that shows up here, you can select the
character by several methods. Also, the Alt+XXXX equivalents show up at

the lower right corner of the chart.

Found this one too alt+0222 =DE (trying to figure out what it is -- ?)

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPP-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, FP #601 <http://www.netxqrp.org>

Date: Mon, 9 Jun 2003 08:50:34 -0400
From: "Royce Simmons" <w2rbn@prodigy.net>
To: <qrp-l@Lehigh.EDU>
Subject: [152122] Crystal Sockets
Message-ID: <000801c32e85\$b8fe2fa0\$9f37fea9@roycesim>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greetings All,

Does anyone know of a source for crystal sockets? I looked high and low without any success. Mostly looking for sockets for the small wire lead microprocessor types.

Thanks,

Royce

Date: Mon, 9 Jun 2003 08:43:18 -0700
From: "Dave Benson" <nn1g@earthlink.net>
To: <qrp-l@lehigh.edu>
Cc: "Rex Harper" <w1rex@megalink.net>
Subject: [152123] KITS: The DSW-II series
Message-ID: <000d01c32e9d\$da7bde80\$93744b43@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

gang-

My website has been estimating availability of the DSW-II in June. I just noticed it's 'June' and I'm out of excuses. Thanks to those who've waited so patiently!

I'm now accepting orders for the 20 Meter version of the DSW-II. Details are on my website. The 40M version will follow shortly- I envision having that version available at Lobstercon (July 12th).

73- Dave

Dave Benson, K1SWL
dave@smallwonderlabs.com
http://smallwonderlabs.com

Date: Mon, 09 Jun 2003 09:04:05 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [152124] Re: Baluns
Message-ID: <3EE485C5.C529BB88@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

I'll probaly get a book on this subject of baluns and ununs soon (did read Reflections on it though). I never heard so many, often widely, different stories about a single concept. 'cept the antennas and grounds maybe. And when you ask for advice on some other public forums you often get contradicting answers. I'm always glad that we have good folks on this list who will set us straight and teach us how it works.

73,
--Alex KR1ST

"George, W5YR" wrote:

>
> Not to quibble with Charles, but while the balun may in fact "work" in a
> 50/200 ohm situation, recall that baluns are transmission line transformers
> and the "windings" used have specific Zo values, in this case 75 ohms.

Date: Mon, 09 Jun 2003 08:14:07 -0500
From: Chuck Carpenter <w5usj@9plus.net>
To: <fpqrp-1@mpna.com>, qrp-1@lehigh.edu, QRPP-I@yahoogleroups.com
Subject: [152125] Comet HF Mobil Ant's
Message-ID: <3.0.2.32.20030609081407.008b9210@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folks,

Anyone have any reports of the usability or lack of with the various
antennas Comet advertises for HF mobil operation?

Same thing for Diamond.

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPP-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, FP #601 <http://www.netxqrp.org>

Date: Mon, 09 Jun 2003 08:21:24 -0500
From: Randy Moore <wrmoore47@comcast.net>
To: qrp-1@Lehigh.EDU
Subject: [152126] DSW-II-20 is available!
Message-ID: <003d01c32e8a\$0993edc0\$962bcd88@thaadsivv.sed.redstone.army.mil>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Check it out at: <http://www.smallwonderlabs.com/>

Been waiting a long time for this one!!! Thanks, Dave!!

73,
Randy, KS4L

Randy Moore
Huntsville, AL

Date: Mon, 09 Jun 2003 09:48:47 -0400
From: Alex <kr1st@amsat.org>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [152127] Having fun with scope, 'tenna and tuner.
Message-ID: <3EE4903F.7B562B1@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Hi there,

I had some great fun this weekend doing some measurements on my antenna system. I build a couple of RF probes a la:

<http://www.seed-solutions.com/gregordy/Amateur%20Radio/Experimentation/RFProbe.htm>

and did some measurements with the scope to get a picture on how balanced my antenna system is. I'll put a web page up with pictures of the probes I built and some scope pictures. I put the probes on the balanced output of the tuner and checked the amplitude and phase on each side. With a two channel scope you can make both signals visible at the same time, and if you invert one channel, then both signals should perfectly overlap if you have perfect balance. That didn't happen of course. My system is out of balance, on some bands more than others.

I experience RF feedback on ten meters and the scope nicely confirmed that. When I let the scope add the signal (neither channel inverted) I should get a flat line since each side of the balanced line carries the same signal with the same amplitude, but 180 degrees out of phase. When you add those, the result should be zero. However, I see a signal, which is what is being radiated by the feedline. (will pictures of that up, too) Please correct me if I'm wrong. This is very much a learning experience for me. When I repeat the same experiment on 80 meters, I barely get a signal with this method which tells me that the feedline doesn't radiate (as much) on 80.

The funny thing is though, that there's no linear relationship between feedline radiation and frequency. I expected that the radiation would decrease when the frequency decreases and vice versa. However I have almost no feedline radiation on 20 meters, but quite a bit on 40 meters. I'll document all my experiments an put them on the web page.

These experiments lead to a lot of questions. One question that particularly interests me is, can imbalance be corrected with a balanced antenna tuner if you'd tune/trim each inductor separately?

Perhaps that's a dumb question. The reason I ask is because I see these designs of balanced tuners that use two roller inductors and they are mechanically coupled to insure that both inductors have the same inductance at all times. I would think that only in ideal cases where

the antenna system is perfectly balanced you can do this, but that in most practical cases it would be better to trim each inductor separately to restore balance. Of course that depends on the answer of my previous question. I guess I'm assuming that imbalance is the product of different impedance (radiation resistance perhaps) on each leg of a balanced system. hmmm...I'm starting to confuse myself tremendously right now, so I better stop writing. :)

73,
--Alex KR1ST

Date: Mon, 09 Jun 2003 09:05:13 -0500
From: Dave Hottell <hottell@gulftel.com>
To: k2zn@rochester.rr.com,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [152128] Re: FOX - absolutely nuthin'
Message-ID: <3.0.6.32.20030609090513.008b2640@pop.gulftel.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Al,

Same here in South Alabama where neither AJ4AY nor AB9CA heard much of anything. Not so much as a peep from the foxxi - and very few hounds. At least you could hear some hounds!

What did VOCAP have to say anyway?

73 de Dave
ab9ca/4

At 07:51 AM 6/9/03 -0400, Al Scanandoah wrote:
>I heard plenty of hounds, but nary a fox. I guess VOACAP was telling
>the truth :-(
>
>Al, K2ZN
>

Date: Mon, 09 Jun 2003 14:03:06 +0000
From: "Dennis Ponsness" <wb0wao@hotmail.com>
To: w2rbn@prodigy.net, qrp-l@Lehigh.EDU

Subject: [152129] Re: Crystal Sockets
Message-ID: <Law11-F6JblINXCHeMm00006ea68@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Royce,

You can use standard .100 spacing IC sockets and/or terminal strips....you would use a strip of three and the xtals will fit in the two outside connectors...

72 es oo

Dennis - WB0WAO

EN84ij Iosco County, Michigan
MultiPig+ #3
NJQRP #329 - FPQRP #-347 - SOC #499
GACW #622 - ARS #1363 - QRP Canada #248
WATPK #2
FISTS # 9299
Charter Member - Michigan DX Association
www.qsl.net/wb0wao
:=)

>From: "Royce Simmons" <w2rbn@prodigy.net>
>Reply-To: w2rbn@prodigy.net
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: Crystal Sockets
>Date: Mon, 9 Jun 2003 08:50:34 -0400
>
>Greetings All,
>
>Does anyone know of a source for crystal sockets? I looked high and low
>without any success. Mostly looking
>for sockets for the small wire lead microprocessor types.
>
>Thanks,
>
>Royce
>
>

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Date: Mon, 9 Jun 2003 10:04:20 -0400
From: "w8diz" <w8diz@fpqrp.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [152130] Re: Crystal Sockets
Message-ID: <005401c32e90\$0631c840\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Royce,

For the 49 style Xtals, use IC machine sockets.

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
RIG:multiPIG+ ANT:470 FT Horiz Loop <http://kitsandparts.com>

----- Original Message -----

From: "Royce Simmons" <w2rnb@prodigy.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, June 09, 2003 8:50 AM
Subject: Crystal Sockets

Greetings All,

Does anyone know of a source for crystal sockets? I looked high and low
without any success. Mostly looking
for sockets for the small wire lead microprocessor types.

Thanks,

Royce

Date: Mon, 9 Jun 2003 15:08:39 +0100
From: "Leon Heller" <leon_heller@hotmail.com>
To: <w2rbn@prodigy.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [152131] Re: Crystal Sockets
Message-ID: <LAW15-DAV73HeVnzCW800004062@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Royce Simmons" <w2rbn@prodigy.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, June 09, 2003 1:50 PM
Subject: Crystal Sockets

> Greetings All,
>
> Does anyone know of a source for crystal sockets? I looked high and low
> without any success. Mostly looking
> for sockets for the small wire lead microprocessor types.

I use SIL socket strip (turned-pin) sockets. They are similar to IC sockets, the crystal wires are a bit on the small side for them but they seem to grip OK. I'd only use them for test purposes, though.

73, Leon

--

Leon Heller, G1HSM
leon_heller@hotmail.com
http://www.geocities.com/leon_heller

Date: Mon, 9 Jun 2003 10:31:39 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <w2rbn@prodigy.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [152132] Re: Crystal Sockets
Message-ID: <007401c32e93\$da42ffc0\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

> Does anyone know of a source for crystal sockets? I looked high and low
> without any success. Mostly looking
> for sockets for the small wire lead microprocessor types.

For wire leads??? I don't think I've ever seen them. They are always
for the 'pin' leads, and MUCH thicker.

I suppose if you really want to, you could use a good quality DIP
socket. But a good grip on the wire may be an issue. You know,
with a wire smaller than a standard lead, I'd be tempted to use a
socket with a single 'leaf' contact as opposed to multiple contact
socket. The 'multiple' type may not grip firmly. The type with a
single leaf would be pressing the wire between the leaf and one
stationary side.

In any case, you could examine sockets to see which one grips a
single piece of wire-wrap wire to hand-select the one that would
give you the most grip on the crystal wire.

Also, I wouldn't trust this kind of arrangement for any kind of
'service life' in the crystals are removed and inserted on any kind
of regular basis. If that's the case, you should consider a ZIF
socket of some kind. Those generally 'pinch' the leads and hold
fairly snug.

Mike

Date: Mon, 9 Jun 2003 10:50:26 -0400
From: "Noyce, Bill" <william.noyce@hp.com>
To: <qrp-1@Lehigh.EDU>
Subject: [152133] Re: FS: Varactor Deal
Message-ID:
<6D6463F31027B14FB3B1FB094F2C744703377DA8@tayexc17.americas.cpqcorp.net>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

I'd like to get in on this deal. Are they still available?
Bill Noyce, AB1AV
98 Pine Hill Road
Hollis NH 03049

Date: Mon, 9 Jun 2003 11:19:43 -0400
From: "cal.jsi" <cal.jsi@verizon.net>
To: "QRP-L" <qrp-l@Lehigh.edu>
Subject: [152134] Re: Air Core 4 to 1 Balun (ie Heathkit B-1) question.
Message-ID: <000301c32e9a\$8e964580\$fc53fea9@Sharon>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all,

Somewhere I've got one of the Heath air-wound baluns, and, as I recall, it worked just fine for matching between 50 Ohms and a 200 Ohm resistor. But as someone suggested, it might be worth checking it across the HF spectrum. I expect that these were used widely in the days when a 136 foot piece of wire was fed off-center with 300 Ohm twinlead. on 80/40/20/10. I imagine that setup worked adequately, albeit with something other than a 1:1 VSWR at the 75 Ohm input point. I also recollect that the Heath balun supposedly could be connected as a 1:1 balun.

Barker and Williamson (B&W) offered a competitive product but not in the aluminum enclosure that Heath supplied. BTW, there was considerable use of 75 Ohms as a standard in those days; there's a B&W dummy load/SWR bridge that came both in 75 Ohms and 52 Ohms.

In fact, one of these Heath baluns is being offered on eBay at this very moment.

72/73

Cal K4JSI

Date: Mon, 9 Jun 2003 11:30:27 -0400
From: "David Hinerman" <WD8CIV@worldnet.att.net>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [152135] RE: Crystal Sockets
Message-ID: <000001c32e9c\$0d6b7d70\$7a032a0a@nyroc.ametek.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> In any case, you could examine sockets to see which one grips a
> single piece of wire-wrap wire to hand-select the one that would
> give you the most grip on the crystal wire.

>
> Also, I wouldn't trust this kind of arrangement for any kind of
> 'service life' in the crystals are removed and inserted on any kind
> of regular basis. If that's the case, you should consider a ZIF
> socket of some kind. Those generally 'pinch' the leads and hold
> fairly snug.

Mike,

Perhaps some sort of header is in order. One could pry a couple of pins out of a machined-pin socket and solder them to the crystal leads, then insert them into other pins from the same socket. That would save wear and tear on the crystal wires.

That assumes the same crystals are going to be re-used in the circuit periodically, for example in a rockbound radio. If the crystal is only going to be used in the circuit once, such as in a test fixture, then a ZIF socket, while expensive, is definitely in order.

Dave

Date: Mon, 9 Jun 2003 11:24:27 -0500
From: "George, W5YR" <w5yr@att.net>
To: <cal.jsi@verizon.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [152136] Re: Air Core 4 to 1 Balun (ie Heathkit B-1) question.
Message-ID: <003701c32ea3\$9bcd3610\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I don't think anyone has mentioned that these air-core coil baluns are true current baluns, as opposed to the voltage baluns which were almost exclusively used "back then."

For 1:1 current balun purposes, one is probably about as well off just using an appropriate rolled-up coil of coax feedline. There is some difference of opinion about whether such coils should be true solenoids, wound on a form, etc., or just coils of feedline, like a rope would be coiled up.

Roy Lewallen, W7EL of EZNEC fame, among the top two or three r-f gurus in the country, makes a strong case for simply coiling up the coax like a rope

and gives strong reasons why the solenoidal form is not as good - besides being much more difficult to make and use.

If you need the 4:1 function, however, an appropriate balun is the answer and a coil of coax won't do that. As a personal note, I find very few instances in amateur antenna operation where a 4:1 balun is required and/or functions as a true 4:1 balun. Multiband wire antennas fed with ladderline are a classic example of attempts to use a 4:1 balun to make "matching 450 ohm ladder line to coax a little easier."

Such efforts sometimes appear to "work" but seldom are acceptable loads presented to the balun for it to function as designed. The usual result is heating and loss in the balun itself. But the difficult to predict impedance transformations such baluns present can sometimes be just what is needed to allow a difficult antenna to be "tuned." This seems to be especially true of antenna erected in the field, for example.

Almost always, a simple 1:1 current balun will provide adequate suppression of common-mode current on coax outer braid and allow coax to be used to drive a balanced load such as a dipole. And a simple coil of feedline can do that job easily although it can be bulky and heavy. This is a real problem when feeding a center-fed antenna without a center support to handle the weight.

I prefer and use exclusively ferrite bead baluns that consist of 5 large beads of #43 material about 1-1/8 inches long strung over RG-8X. These display excellent properties over the 80-10 meter range and are usable on 160 meters, although an additional bead improves them for that band, at the cost of somewhat decreased performance on the high end.

These baluns have been used directly at the mid-air feedpoint of 40-meter dipoles, for example, where their light weight is a benefit. I use them to transition from ladderline to RG-8X to my tuners.

Where a 4:1 balun is required and actually works is in some Yagi and quad antenna feed systems where the antenna driving point impedance may actually be near 200 ohms resistive over the frequency range of interest. That is an application for the 4:1 current or voltage balun that is appropriate and effective. Voltage baluns tend to be somewhat more lossy since the cores must deal with the effects of load current. Current baluns avoid this problem in general..

And, of course, there are many r-f circuit designs where a 4:1 impedance match is required; such baluns are not uncommon on r-f pc board layouts where line and load impedances can be controlled.

Sorry this turned into a lecture on baluns, but they are one of my special interests and you know me, once I get started on something . . .

Anyway, maybe this was worth your reading time.

73/72, George

Amateur Radio W5YR - the Yellow Rose of Texas

Fairview, TX 30 mi NE of Dallas in Collin county EM13QE

"In the 57th year and it just keeps getting better!"

<mailto:w5yr@att.net>

----- Original Message -----

From: "cal.jsi" <cal.jsi@verizon.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Monday, June 09, 2003 10:19 AM

Subject: Re: Air Core 4 to 1 Balun (ie Heathkit B-1) question.

> Hi all,

> Somewhere I've got one of the Heath air-wound baluns, and, as I recall,

> it worked just fine for matching between 50 Ohms and a 200 Ohm resistor.

> But as someone suggested, it might be worth checking it across the HF

> spectrum. I expect that these were used widely in the days when a 136 foot

> piece of wire was fed off-center with 300 Ohm twinlead on 80/40/20/10. I

> imagine that setup worked adequately, albeit with something other than a 1:1

> VSWR at the 75 Ohm input point. I also recollect that the Heath balun

> supposedly could be connected as a 1:1 balun.

> Barker and Williamson (B&W) offered a competitive product but not in the aluminum enclosure that Heath supplied. BTW, there was considerable use

> of 75 Ohms as a standard in those days; there's a B&W dummy load/SWR bridge

> that came both in 75 Ohms and 52 Ohms.

> In fact, one of these Heath baluns is being offered on eBay at this very moment.

> 72/73

> Cal K4JSI

>

>

Date: Mon, 9 Jun 2003 11:55:35 -0500
From: "Walter AG5P" <walter@accessus.net>
To: <qrp-1@lehigh.edu>
Subject: [152137] Re: Air Core 4 to 1 Balun (ie Heathkit B-1) question.
Message-ID: <004201c32ea7\$f2d88c80\$49466ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Several years ago, a local ham, Stan AK0B, got me interested in this approach for a homebrewed balun. Although he was using a couple pieces of pvc pipe with the required 1/4 wl of wire as per the handbook instead of the B-1 open wire approach his version worked as predicted.

There is an old original B&W air coil balun in my shack, but nearly every one of the Heathkit and B&W's have some serious coil spacer insulation problems. So following Stan's approach, then mine are also wound on pvc pipe.

They seem to work just fine as a balun on my 135 ft inverted vee for multibanding and the 80 and 160 meter horizontal loops used for multibanding. Depending on feedlines used, a short feedline (ladderline) may cause some unbalancing with the inverted vee because of the excessive impedance on some bands, but have not seen any problems with using it on the loops. My copy-cat B-1s are wound on 1 1/2 inch pvc pipe lengths and the 160 meter one is on 4 inch pvc and sure no small balun, but for the QTH operation its size is no matter. The wire used is #14 awg THHN stranded, close wound. Since I like to operate at the bottom of the CW bands then the wire baluns are 5% longer than the handbook design. Just figured it was better than the standard 1/4 wl at the lowest frequency and plenty of wire was in the junk box. Never tried using enamel or magnet wire, but they should work on QRP.

The major trade off here is the wire resistance VS the small amount of wire required to make the same balun with a toroid. So my suggestion is use bigger wire to help with this problem. On the other hand, it is pretty hard to saturate them with RF power and they do not get warm. Also, the baluns (1:1) are fed via a RG-8 coax from a homebrew L-match tuner. There are two of them in use here, one for 160 and 80 mtrs, and one for 40 thru 10 meters and they are mounted outside the shack.

If they were not such a pain to change bands with, the old fashioned link or even the swing link balanced tuners seem to me to be the better way to go to achieve the best balance.

72 / 73...Walter - AG5P.....Wright City, MO

Date: Mon, 09 Jun 2003 16:55:08 +0000
From: "Alan Fryer" <N3BJ@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [152138] Fox Log - N3BJ - Prelim.
Message-ID: <Law9-0E40KHqiwEbbhF00036221@hotmail.com>

Corrections, comments ?

----- Original Message -----
From: Alan.Fryer@indsys.ge.com
To: 'Fryer, N3BJ@hotmail.com'
Date: Mon 06/09/2003 15:03
Subject: Fox Log - N3BJ

C	Call	Mine	His	SPC	Name	Power	
2202	K0EVZ	559	559	ND	Doc	4W	
2203	W5YR	559	559	TX	George	5W	
2204	W5KDJ	559	559	TX	Wayne	400 mW	
2206	AA7EJ	559	559	AZ	Bob	5W	
2209	W3CD	559	559	CA	Bob	5W	
2211	K7FD	559	559	OR	John	5W	
2215	NK6A	559	559	CA	Don	5W	
2217	W6AZ	559	559	OR	John	5W	
2220	WJ9B	599	559	NC	Will	4W	
2222	KK6MC		579	559	NM	Jim	5W
2225	KK5NA		559	559	TX	Joe	5W
2227	K5SR	559	559	TX	Dale	5W	
2230	AC7A	559	559	AZ	Tom	5W	
2242	W7ILW		559	559	AZ	Walt	5W
2245	W4NJK		559	559	NC	Charlie	5W
2248	N5IB	559	559	LA	Jim	5W	
2250	N0WX	559	559	MN	Mike	5W	
2251	K5EOA		559	559	LA	Wayne	5W
2253	K5JHP/M		559	559	TX	Bill	5W
2255	W0EB	559	559	KS	Jim	5W	
2256	N5YFC		559	559	LA	Wayne	5W
2257	N0UR	579	559	MN	Jim	5W	
2258	N5FFF		559	559	LA	Wayne	5W
2259	C02HA		579	559	Cuba	Frank	5W
2302	VA6MJT		599	559	AB	Mike	5W

2305	AA0NI	229	559	OK	Dan	5W
2307	N1FN	559	559	CO	ET	5W
2310	W5USJ	579	559	TX	Chuck	3W
2312	N2WW	559	559	CO	Larry	5W
2315	K5DKH	599	559	AR	Willie	5W
2320	KD5KXF	559	559	TX	Mike	5W
2329	N0IT	599	599	MO	Dave	5W
2329	N3BJ	599	599	VA	Alan	5W

Date: Mon, 9 Jun 2003 13:58:38 -0400
 From: "Noyce, Bill" <william.noyce@hp.com>
 To: <qrp-1@Lehigh.EDU>
 Subject: [152139] SMK-1 crystal
 Message-ID:
 <6D6463F31027B14FB3B1FB094F2C74470347AFA0@tayexc17.americas.cpqcorp.net>
 content-class: urn:content-classes:message
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"
 Content-Transfer-Encoding: quoted-printable

Oops- sorry about the varactor post. Meant to send it to Dennis Payton instead of the list, but now see that he was sold out within about 12 hours. Oh well.

On another topic...

I just finished building an SMK-1, that I bought from a member of another list. SMK-1 is the Norcal 40 meter kit for practicing with surface-mount parts. From the start I included the TX oscillator mods by Wayne, NB6M -- three wires, a couple of changed SMT parts, and two SMT parts in funny positions. The receiver worked right off, but the transmit oscillator didn't oscillate. To make a long story short, I found one lead of the oscillator's crystal was shorted to its case. I removed the extra grounding wire from the crystal's case to ground, and voila! it worked, and I'm getting about 160 mW from the power amp. Now to add the 1-Watt mod and put it in the PCB case from NJQRP.

Some questions:

- Might I have caused this lead-to-case short through heat damage while soldering either the (through-hole) leads or the grounding wire to the case?
- What is the grounding wire supposed to accomplish (ie, what am I giving up by removing it? I understand that

it helps avoid "blow-by" in filters - does it similarly suppress phase noise in oscillators?

- For out-of-print kits like this, built by someone who is not the original purchaser, do suppliers and clubs normally provide replacement parts? In this case it's a common 7.040 MHz crystal, which I'm sure I can get elsewhere, but what if it were something more exotic?

-- Bill, AB1AV

Date: Mon, 9 Jun 2003 18:32:54 GMT
From: Wayne_W5KDJ <w5kdj@juno.com>
To: k2zn@rochester.rr.com
Cc: qrp-1@Lehigh.EDU
Subject: [152140] Re: FOX - absolutely nuthin'
Message-ID: <20030609.113326.10673.259318@webmail05.lax.unttd.com>
Content-Type: text/plain

Us pesky Texans worked both of them at 400mw. The N3 was 589 and the N0 was 539 but he is very close to us here in Houston.

Wayne_W5KDJ
NW Houston
SV0WWW_TF2WJN
ARS_1392 ARCI_11325 FISTS_10060 SOC_538

--- Al Scanandoah <k2zn@rochester.rr.com> wrote:

I heard plenty of hounds, but nary a fox. I guess VOACAP was telling the truth :-(

Al, K2ZN

Date: Mon, 9 Jun 2003 11:40:24 -0700
From: "Dave" <ai7r@presenceknown.com>
To: <qrp-1@lehigh.edu>
Subject: [152141] FS - K2 QRP
Message-ID: <002601c32eb6\$96facbd0\$6400a8c0@DaveLap>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"

Content-Transfer-Encoding: 7bit

Greetings,

K2 serial number 590 is looking for a new home. I just have too many radios and not enough time.

This one has the built in tuner, battery, SSB, 160 meter, and NB. I'll even include a Heil headset with boom mic that is wired for the K2. \$900 plus shipping.

This little guy works great. It's the second one I have built (for me that's the fun part) and it has all of the mods and upgrades up to whatever was around at serial number 1200 or so.

73

Dave, AI7R
Chandler/Payson, AZ

Presenceknown.com, LLP
www.presenceknown.com
480-510-1721

Date: Mon, 9 Jun 2003 15:39:43 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [152142] 1 watt Rule of Thumb?
Message-ID: <1d8.b5458a4.2c163c7f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I had some time basking in the hot sun here in Seattle this weekend and mulled over QRP operations. It APPEARS to me that a general equation for success is that the combination of the lobe pattern (and associated gain/ radiation angle) plus ERP (effective radiated power) when it equals about 1 watt generally adds up to successful contacts being made.

What I was getting at is it is important to know the pattern of your antenna on a particular band and generally how efficient your radiating system is (antenna, feedline) can help you plan for a little success. Sure it is always fun to throw caution to the wind and try set ups at random but sometimes you may just want to increase your odds a bit.

But it appeared that many compromise antennas may add up to feedline loss and radiating efficiency to less than half the power you are starting out with and even more as the power level of the battery supply drops.

Setting aside operator skill, that may suggest why a 500mw rig and a 2X gain figure on a beam up 75-100 feet has about the same success as 5 watts with an inefficient antenna (25 percent).

If this is valid then knowing the general lobe pattern and expected gain figures and estimating the losses are important. It may be a reason why using lossy feedline or an ineffecient short vertical set up and using 5 watts is not that important under many conditions as putting up a FIELD DAY SPECIAL with a little gain and using the QRPp milliwatt radio. Sure the propagation and actual location and several other factors have an effect but GENERALLY SPEAKING it appears from my limited practical experience this holds true.

Nothing magical about the 1 watt other than it being an approximate value. (OK I know someone on 1mw and a bread package wire tirewrap has probably worked DXCC but I am saying under generally average conditions.) Just thought I would pass along for consideration and discussion.

Alan KB7MBI in Woodinville, WA
FISTS 5702 / ARS / Proud member of ARRL
--- --- DIT DIT

Date: Mon, 9 Jun 2003 12:49:04 -0700
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-1@Lehigh.EDU>
Subject: [152143] NorCal Keyer Manual Error Fixed & available for all to see.
Message-ID: <002401c32ec0\$2e9c4e60\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, when I printed the first run of NorCal Keyer manuals late last Saturday night, I grabbed the wrong file. If you got a manual in 8.5 x 11" format, please send me an email and I will send you the MSWord file. If the rest of you want to take a look at it, send me an email and I'll send you the file too. This is the manual for the \$15 NorCal Keyer that has a ton of features. If you get the file and want to order the keyer, here is how you do it:

Send a check or money order for \$15 per keyer ordered made out to Doug Hendricks to:

Doug Hendricks
Attn: NorCal Keyer
862 Frank Ave.
Dos Palos, CA 93620

I will ship the next day after I get your order. The keys are in stock and ready to go. 72, Doug, KI6DS

Date: Mon, 9 Jun 2003 15:49:18 -0400
From: "Bob Schreibmaier" <k3ph@ptd.net>
To: <qrp-l@Lehigh.EDU>
Subject: [152144] Re: FOX - absolutely nuthin'
Message-ID: <000301c32ec0\$36e54720\$6400a8c0@k3ph>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

```
>I heard plenty of hounds, but nary a fox.  I guess VOACAP was telling
>the truth :-(
>
>A1, K2ZN
```

Ditto here, Al. I figured I'd never hear Alan, given the propagation from Virginia to Pennsylvania on 20 meters, but I thought Dave would be a chip shot, given what I was hearing on the band. But, no soap, doc! Never heard a peep. Once in a while, I would hear someone calling him around 14061 or thereabouts, but I never heard Dave.

Oh well. I've never done really well in the Summer Fox Hunts. 8^)

72/73,

[illegible]

```
+-----+
| Bob Schreibmaier K3PH | E-mail: k3ph@ptd.net   |
| Kresgeville, PA 18333 | http://home.ptd.net/~k3ph |
+-----+
```

Date: Mon, 09 Jun 2003 15:01:13 -0500
From: "John Burnley" <JBurnley@ifmc.org>
To: <qrp-1@lehigh.edu>, <IAQRP-L@mailman.qth.net>
Subject: [152145] Iowa QRP Club Forums This Saturday June 14, 2003
Message-ID: <see4a13d.000@iaweb02.ifmc.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

The fun begins this weekend at the Hamboree in Sioux City, Iowa. The Iowa QRP Club is pleased to announce the following forums to be held at the Hamboree in Sioux City, Iowa on Saturday June 14, 2003. Brian Kassel (K7RE), Jim Duffey (KK6MC), and Jerry Hall (W0PWE) will be our featured speakers. Brian's session will be 'Wire Antennas For Cheapskates'. Dr. Megacycle's presentation will be 'SWR - A Graphical Representation' and Jerry will present 'Micro-controller applications for Amateur Radio'. Our thanks to these club members for their continued support of our QRP activities and efforts to spread the good word about low power operating. All three are great speakers and I look forward to attending the sessions.

The IAQRP Club kicks off our activities with the annual building event to be held Friday June 13, 2003 at 4:00PM. The building event provides an opportunity for interested individuals to purchase a low cost kit and assemble it during the session. We will have plenty of Elmers available to help the less experienced and provide guidance to those who hit a snag. This year we are featuring the Power/Inverter Guard kit from our good friends down south - the North Georgia QRP Club (NoGa). I've had the pleasure of spending Field Day with these great QRP'ers and I had a blast (plus enjoyed some good ole' southern hospitality). Our thanks to Sam AE4GX, Pickett AD4S, and Joe W4JHR who helped us coordinate the kits. More info about this fun kit may be found at <http://www.nogaqrp.org/>. My apologies to Sam AE4GX as I inadvertently left his name out of my previous announcements/posts but we do thank him for his efforts as well.

Also, thanks to Doug Hendricks KI6DS who touched base and wanted to

make sure we had everything we needed for this weekend. Doug has always been a supporter of the club and we do appreciate his many behind the scenes efforts.

Finally a big thank you to the ARRL Lab for donating some books for prizes. Some lucky QRP'ers will have some FB additions to their book shelves after this weekend.

More information about the Hamboree may be found at www.3900club.com . Just click on the Hamboree 2003 link. I look forward to seeing you all there!

72/73, John NU0V

Date: Mon, 9 Jun 2003 21:45:14 +0100
From: <G0BPS@clara.co.uk>
To: <ki6ds@dph.dpol.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [152146] Re: New Hall of Fame Inductees
Message-ID: <003701c32ec8\$084321a0\$d34d08c3@main>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Hhmmmm.

Having known these two for some time AND been building the stand on my own for several years I knew two useless guys when I saw them. (At that time I built my own stand, alone almost every weekend at various UK hamfests)

They did all the heavy work carrying the boxes and THEN I sacked them. It was faster and easier to build the stand on my own.

That;s why Doug got sacked too, I got on faster and better without him too!.

I agree on the HOF award comments tho.....

: - ^

NorCal was sharing a booth with G-QRP, and Dick
> Pascoe, George Dobbs, Jim Cates, and I plus these two new guys from
England
> went out to set up the booth on Thursday afternoon. Their job was to
carry
> boxes for Dick Pascoe. Dick soon "fired" them, as he said it would be
> easier to do it by himself. I had to laugh as the two of them walked away
> congratulating each other on getting "sacked" so that they could have the
> freedom to roam around Hara arena. They did it on purpose!! Sorry Dick,
> but you were had!!

>

>

>

Dick Pascoe G BPS
Vice President QRP-ARCI.
SSB & Data manager G-QRP Club

All mail from me is checked by Norton
before posting and is (hopefully) Virus Free.

Date: Mon, 9 Jun 2003 18:04:28 -0300
From: "Leigh Hawkes" <leighhawkes@ns.sympatico.ca>
To: <qrp-1@Lehigh.EDU>
Subject: [152147] K2 Knob
Message-ID: <000501c32eca\$b763fa40\$6400a8c0@leighck46i9ilt>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does anyone have an extra or no longer required FT-100 main tuning knob you
would care to part with? I'm about ready to order a K2 and I believe that
was the "desired" after market knob that so many K2 owners had adopted as a
deluxe upgrade.

Thought I'd ask here before going direct to Yaesu.

72/73,
Leigh, VE1GA

End of QRP-L Digest 2946
